

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2005/000445

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D1/58 C11D3/28 C11D3/43 C11D7/32 C11D7/50
C11D3/18 C11D7/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 294 644 A (LOGIN ET AL) 15 March 1994 (1994-03-15) column 16, line 40 - column 17, line 35 column 24, lines 46-61	1-7
X	US 5 955 410 A (DINGESS ET AL) 21 September 1999 (1999-09-21) column 10, lines 22-27; claim 1; example 10	1,2,4-7
X	US 5 691 289 A (PURCELL ET AL) 25 November 1997 (1997-11-25) column 3, line 51 - column 4, line 25; claims 1,2,12,13	1,2,4-7
X	US 5 514 300 A (VLASBLOM ET AL) 7 May 1996 (1996-05-07) claim 1	1,2,4,5, 7

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

4 May 2005

Date of mailing of the international search report

13/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Pentek, E

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2005/000445

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3, 5part, 6part, 7part

Cleaning composition; method of cleaning a soiled substrate with the use of said composition; use of said composition for the cleaning of household substrates; and packaged household cleaning product comprising said composition; wherein said composition comprises 30-70% of 1-alkyl-2-pyrrolidone, 25-45% of hydrocarbon, and 5-25% of water.

2. claims: 4, 5 part, 6part, 7part

Cleaning composition; method of cleaning a soiled substrate with the use of said composition; use of said composition for the cleaning of household substrates; and packaged household cleaning product comprising said composition; wherein said composition comprises water, a hydrocarbon, and a 1-alkyl-2-pyrrolidone, which composition exhibits Marangoni behaviour when exposed to air.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2005/000445

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5294644 A	15-03-1994	US 5093031 A	03-03-1992
		AT 138648 T	15-06-1996
		AU 610072 B2	16-05-1991
		AU 7587187 A	29-01-1988
		AU 644180 B2	02-12-1993
		AU 7919191 A	24-10-1991
		CA 1339295 C	19-08-1997
		DE 3751821 D1	04-07-1996
		DE 3751821 T2	31-10-1996
		DK 103488 A	31-08-1988
		EP 0311632 A1	19-04-1989
		IL 82931 A	15-11-1992
		IL 99090 A	10-06-1997
		JP 8013721 B	14-02-1996
		JP 1503044 T	19-10-1989
		NO 880826 A ,B,	25-02-1988
		NO 932886 A ,B,	25-02-1988
		WO 8800184 A1	14-01-1988
		AT 82960 T	15-12-1992
		AU 599116 B2	12-07-1990
		AU 7544287 A	29-01-1988
		AU 600736 B2	23-08-1990
		AU 7549287 A	29-01-1988
		AU 7640687 A	29-01-1988
		CA 1312288 C	05-01-1993
		CA 1258637 A1	22-08-1989
		DE 3782941 D1	14-01-1993
		DE 3782941 T2	03-06-1993
		DE 3785353 D1	13-05-1993
		DE 3785353 T2	14-10-1993
		DK 103388 A	26-02-1988
		DK 103588 A	26-02-1988
		DK 103688 A	26-02-1988
		EP 0313561 A1	03-05-1989
		EP 0311626 A1	19-04-1989
		EP 0311640 A1	19-04-1989
		JP 1503297 T	09-11-1989
		JP 1503064 T	19-10-1989
		JP 1503037 T	19-10-1989
		NO 880514 A ,B,	05-02-1988
		NO 880590 A	10-02-1988
		NO 880673 A ,B,	16-02-1988
		US 4793994 A	27-12-1988
		US 4775527 A	04-10-1988
		US 4719287 A	12-01-1988
		WO 8800203 A1	14-01-1988
		WO 8800185 A1	14-01-1988
US 5955410 A	21-09-1999	AU 5076890 A	20-09-1990
		CA 2011883 A1	13-09-1990
		DE 4007980 A1	20-09-1990
		ES 2021499 A6	01-11-1991
		FR 2644174 A1	14-09-1990
		GB 2230791 A	31-10-1990
		IT 1241590 B	19-01-1994
		JP 3028387 A	06-02-1991
US 5691289 A	25-11-1997	AU 705897 B2	03-06-1999

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB2005/000445

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5691289	A	AU 4166596 A	17-06-1996
		BR 9509732 A	30-09-1997
		CA 2205585 A1	30-05-1996
		DE 69521333 D1	19-07-2001
		DE 69521333 T2	18-10-2001
		EP 0792327 A1	03-09-1997
		WO 9616132 A1	30-05-1996
		US 6071867 A	06-06-2000
US 5514300	A	07-05-1996	NONE